



Stat. of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Review

November 4, 2003

CERTIFIED RETURN RECEIPT
7099 3400 0016 8895 5071

Mr. Dexter Anderson
Red Dome Incorporated
SR Box 52
Fillmore, Utah 84631

Re: Second Review of Notice of Intention to Commence Large Mining Operations,
Red Dome Volcanic Cinders, M/027/032, Millard County, Utah

Dear Mr. Anderson:

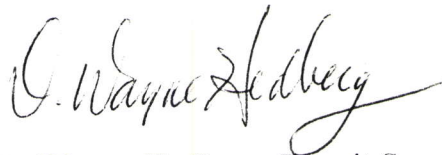
The Division has completed a review of the draft response to the Division's initial technical review sent to you on September 27, 1994 for the Red Dome mine, located in Millard County, Utah. Your response was received April 17, 1995. After reviewing this information and the recent GPS map provided by the BLM, showing 81 acres of disturbance, there are enough inaccuracies in the amount of disturbance identified in your plan that a revised plan will be required.

During our on-site meeting on August 5, 2003, we toured your site and discussed rational why we felt that the mine plan had changed enough to warrant a new plan and review by the Division and the BLM. We have included the comments from your old review and some of our previous comments to possibly help you finalize this permitting process. Where our previous comments were applicable, these comments will still need to be addressed. We also included (in italics) additional explanations where possible. Please provide a response to this review and your new revised plan within 45 days (by December 19, 2003).

Dexter Anderson
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M/027/032
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If you have any questions in this regard please contact me, Lynn Kunzler, Tom Munson, or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

A handwritten signature in black ink, reading "D. Wayne Hedberg". The signature is fluid and cursive, with the first name "D." and last name "Hedberg" clearly legible.

D. Wayne Hedberg, Permit Supervisor
Minerals Regulatory Program

DWH:TM:jb
Attachment: BLM GPS Map
cc: Sherri Wysong, Fillmore BLM
O:\M027-Millard\M0270032-RedDome\final\2ndreview-LMO-11042003.doc

The portion of access road shown in red on the base map was included by the Division as part of the disturbed area; however, during our site inspection you indicated this road was a county road. Please identify those roads shown on the base map which are county roads and those roads which have been created by your mining operations. (AAG)

The Division does not have an accurate map of surface facilities or roads found onsite (portable or otherwise). Please provide this requested map with your response. (TM)

R647-4-106 Operation Plan

106.5 Existing soil types, location, amount

Please provide a chemical and physical analysis of the soil materials stockpiled around the 'green' area. At a minimum, this analysis should include texture, organic matter, pH, SAR, EC, nitrogen, phosphorus and potassium. (LMK)

This information was never submitted, please contact Lynn Kunzler at 801-538-5310 with any questions. (TM)

106.6 Plan for protecting and redepositing soils

A plan for protecting the soil material salvaged and stockpiled from the 'green' area needs to be provided. At a minimum, the material should be seeded (and bermed) to stabilize it against wind and water erosion, and identified with appropriate topsoil signs. (LMK)

This information has not been addressed. Please provide this soil stockpile protection plan. (TM)

R647-4-110 Reclamation Plan

110.1 Current & post mining land use

The Environmental Assessment prepared by the BLM identifies the current land use as mining and grazing. Page one of your response infers a post-mining land use of wildlife grazing. The reclamation plan needs to identify livestock & wildlife grazing as the post-mining land use. (LMK)

This modification has not been addressed. Please make this minor change to the reclamation plan. (TM)

110.2 Roads, highwall, slopes, drainages, pits, etc. reclaimed

Please provide a written description for each of the reclamation treatments indicated on the Reclamation Treatments Map. For example, "The stockpile pads, processing area, roads within the permit boundary, and any other compacted areas will be ripped with a

dozer to minimum depth of 12 inches before receiving the revegetation treatments appropriate for each area.” (AAG)

This information has not been addressed. Please provide these reclamation treatment descriptions. (TM)

110.5 Revegetation planting program

While a variance for meeting the 70% cover standard for the ‘red’ and ‘yellow’ areas may be appropriate, some vegetation can be established on these areas if they are ripped and seeded. On areas where soil material can be salvaged (e.g. the ‘green’ area), a variance from meeting the performance standard is not warranted. Please provide appropriate reclamation plans (revegetation) for these areas. The Division can provide assistance in developing appropriate seed mixes for this site if requested. Pending analysis of the soil material for the ‘green’ area (refer to comments under R647-4-106.5), fertilizer and/or other soil amendments may be required. (LMK)

This information has not been addressed. Please provide the requested reclamation plan details. (TM)

R647-4-111 Reclamation Practices

111.1 Public safety and welfare

1.14 Posting warning signs

The Division suggests the posting of warning signs on any roads which access the areas above the existing highwall along the western side of the red area. The access to these roads should also be blocked to prevent public access, provided this is acceptable to the BLM. If there is no road access to this area the signs and blockage are unnecessary. (AAG)

This issue has not been addressed. Please provide the requested information. (TM)

1.15 Constructing berms/fences above highwalls

The proposed mine plan calls for no mining of the existing highwall. The Division suggests the construction of berms/trenches which will prevent public access to the foot of the highwall. This would prevent or minimize the possibility of injuries or damages due to rock falls. Again, this measure should not be implemented unless acceptable to the BLM. (AAG)

This safety concern has not been addressed. Please provide a response and/or modify the permit application accordingly. (TM)

R647-4-112 Variance

As stated earlier, a variance from meeting the 70% cover standard for revegetation of the 'red' and 'yellow' areas may be appropriate, a variance from performing any reclamation (revegetation) is not warranted. As observed during our site inspection, on April 28, 1994, some vegetation has naturally invaded previous mined areas. While the amount of vegetation was limited, it does show potential for establishing a stand of vegetation if the area was seeded. On areas where soil material can be (or has been) salvaged (e.g. the 'green' area), a variance from meeting the topsoil salvage and replacement performance standards is not warranted. (LMK)

Unless the operator provides sufficient justification to demonstrate otherwise, these variances requests are denied. (TM)

R647-4-113 Surety

The discrepancy between the written description of disturbed acreage and acreage measured off the base map will need to be resolved in order to finalize the reclamation surety estimate. Please note the changes in acreages taken from the new BLM Map. (AAG)

This new information regarding disturbed acreage should be used to revise the mining and reclamation plan accordingly. (TM)

R647-4-116 Public Notice & Appeals

Once the Division has determined that the application is complete and technically adequate, we will prepare a Notice of Tentative Approval. This notice will be published in the appropriate local and Salt Lake area newspapers, therein opening a 30-day public comment period on the tentative decision. The tentative decision will become final following the successful expiration of the public comment period, and filing of reclamation surety.

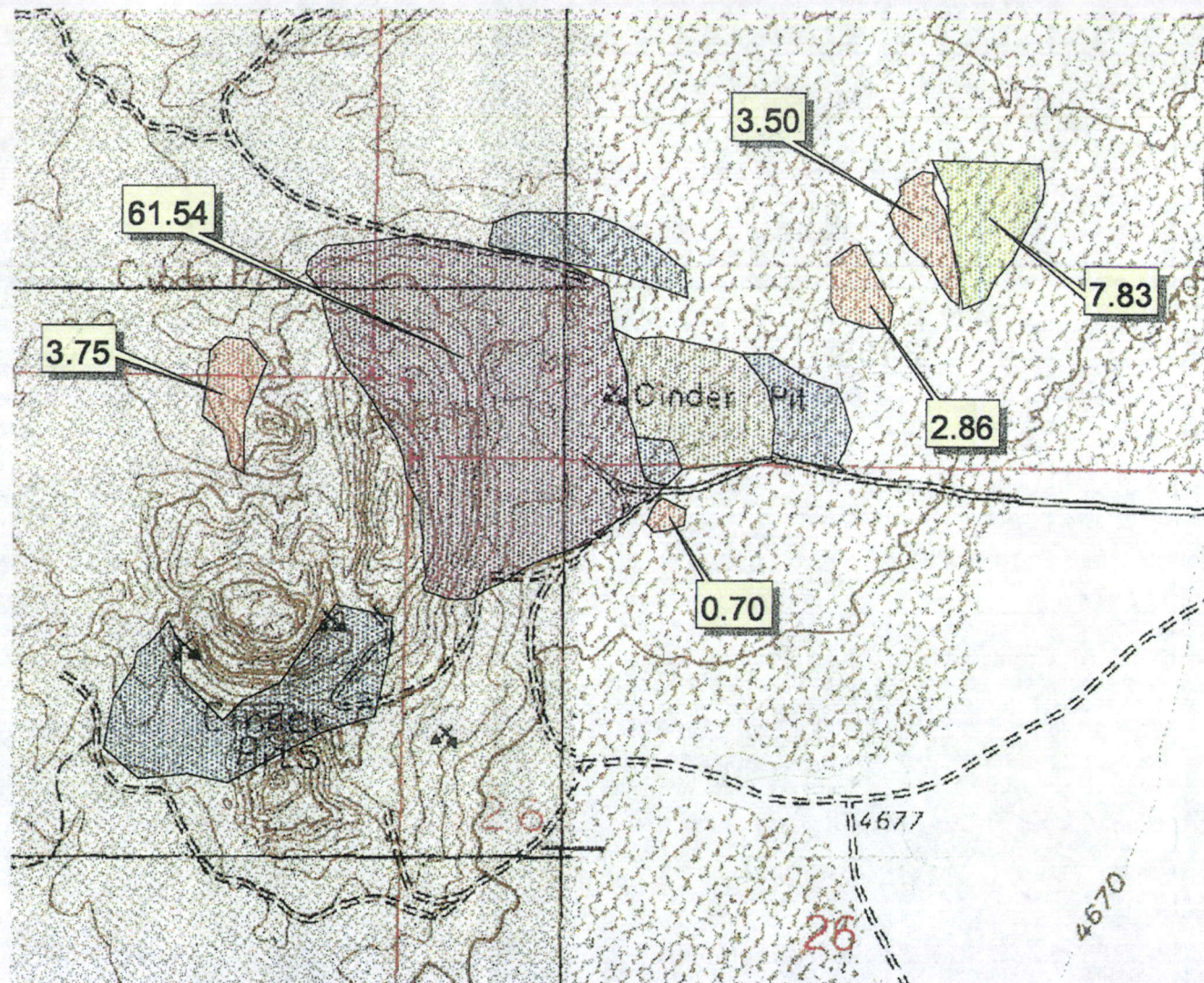
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DIV. OF OIL, GAS & MINING

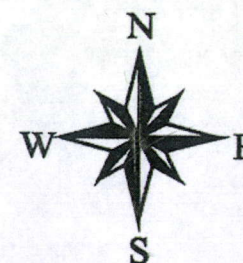
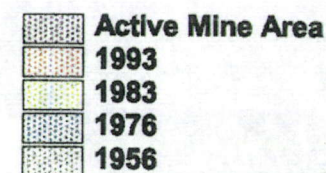
m/027/032

Red Dome Mine Area



21 S.

GPS map prepared by BLM -
Sheri Wysong - @81 acres



0.3 0 0.3 0.6 Miles